

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080724\
 Data File : VD079660.D
 Acq On : 08 Aug 2024 01:18
 Operator : RP/MD
 Sample : P3488-03
 Misc : 5.07G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 05:39:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)

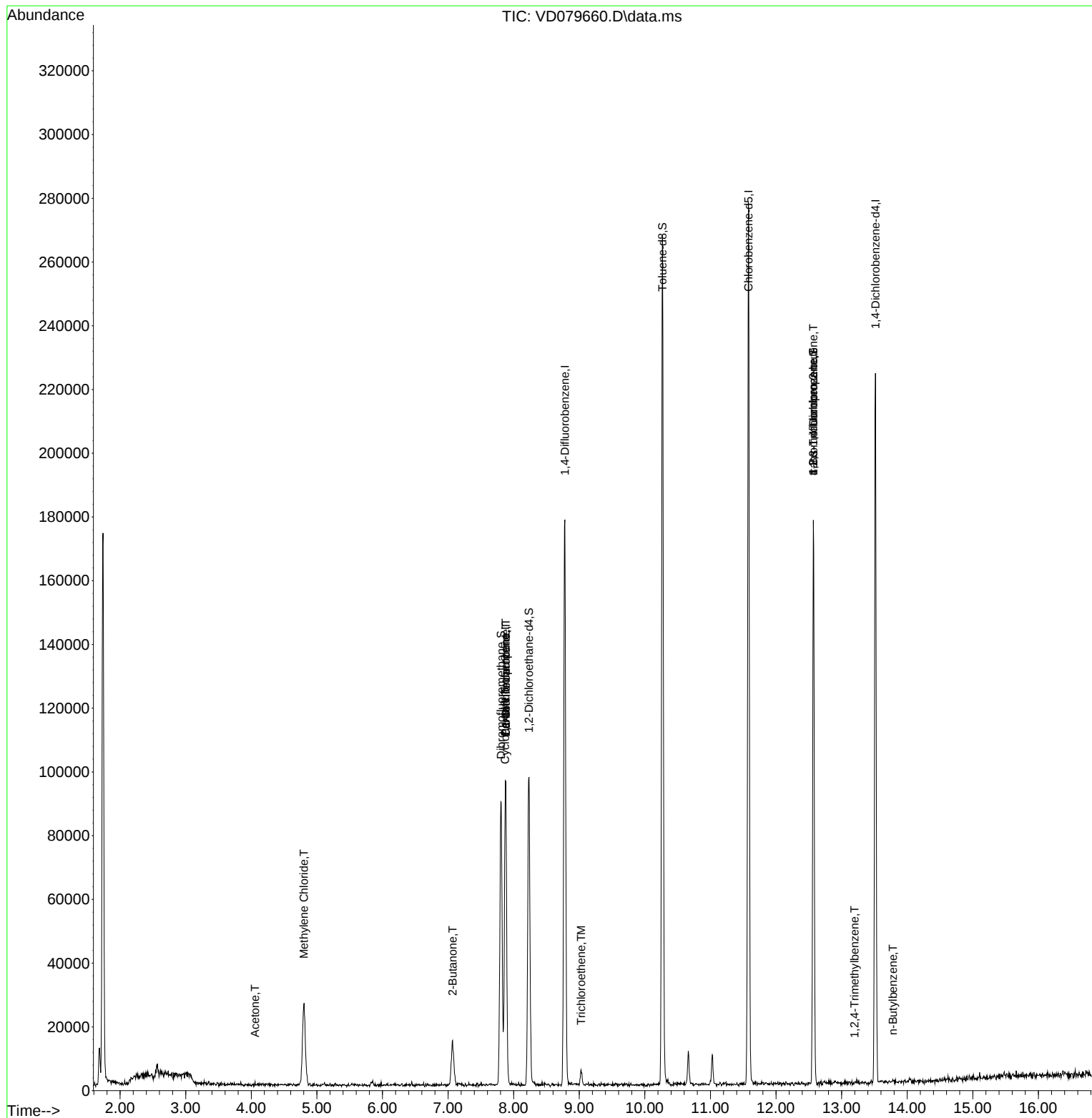
Internal Standards							
1) Pentafluorobenzene		7.875	168	78674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.781	114	163040	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.581	117	161052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.516	152	62842	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.234	65	76903	96.219	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	192.440%#	
35) Dibromofluoromethane		7.810	113	67541	61.204	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	122.400%	
50) Toluene-d8		10.269	98	191145	44.604	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.200%	
62) 4-Bromofluorobenzene		12.569	95	54761	44.158	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.320%	
Target Compounds							
							Qvalue
5) Bromomethane		2.699	94	865	Below Cal	#	51
11) Tert butyl alcohol		5.058	59	56	Below Cal	#	86
16) Acetone		4.058	43	198	1.275	ug/l #	37
20) Methylene Chloride		4.805	84	20176	2.602	ug/l #	88
25) 2-Butanone		7.069	43	498	2.261	ug/l #	42
31) Cyclohexane		7.869	56	1884	1.419	ug/l #	41
36) 1,1-Dichloropropene		7.881	75	6226	4.134	ug/l #	45
38) Carbon Tetrachloride		7.881	117	7184	4.537	ug/l #	17
44) Trichloroethene		9.028	130	2058	1.728	ug/l	81
76) 1,2,3-Trichloropropane		12.569	75	28197	51.332	ug/l #	100
81) trans-1,4-Dichloro-2-b...		12.569	75	28197	97.905	ug/l #	19
84) 1,2,4-Trimethylbenzene		13.198	105	54	3.441	ug/l #	29
89) n-Butylbenzene		13.781	91	265	3.842	ug/l #	57

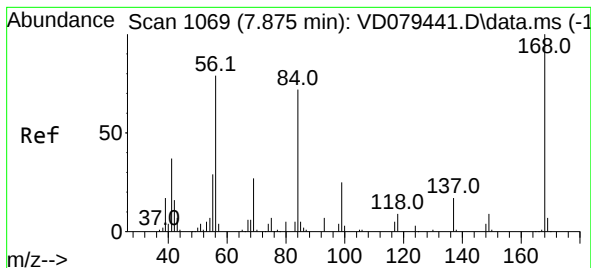
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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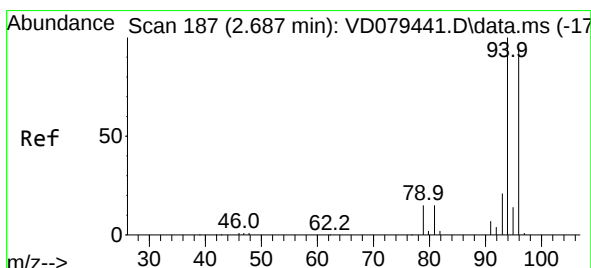
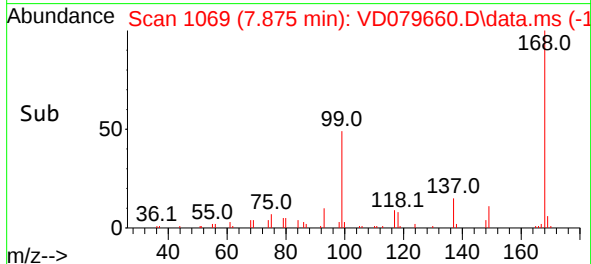
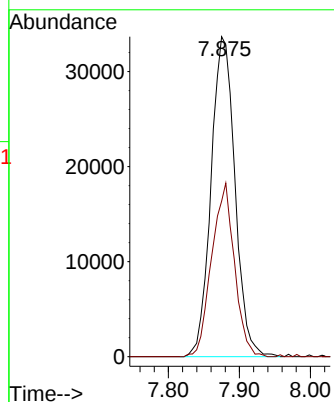
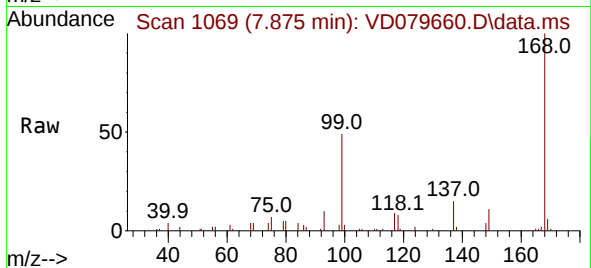




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

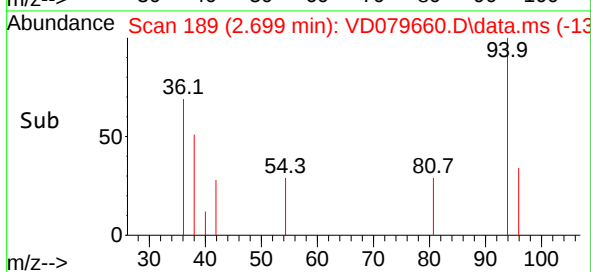
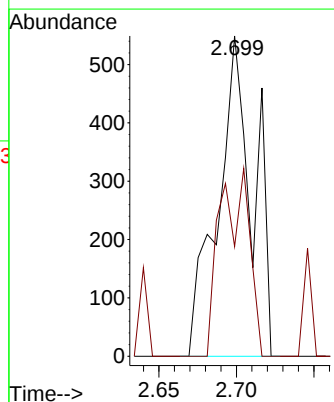
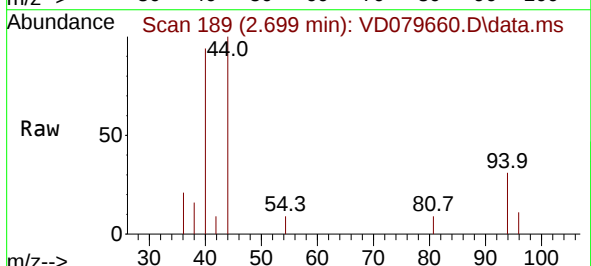
Instrument :
MSVOA_D
ClientSampleId :

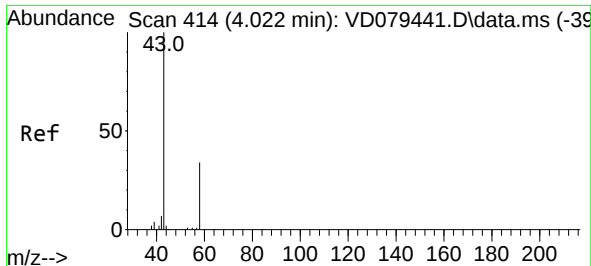
Tgt Ion:168 Resp: 78674
Ion Ratio Lower Upper
168 100
99 48.6 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

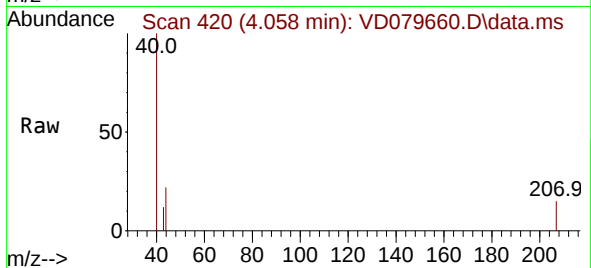
Tgt Ion: 94 Resp: 865
Ion Ratio Lower Upper
94 100
96 48.6 76.9 115.3#



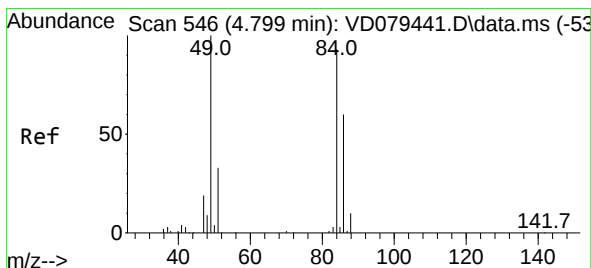
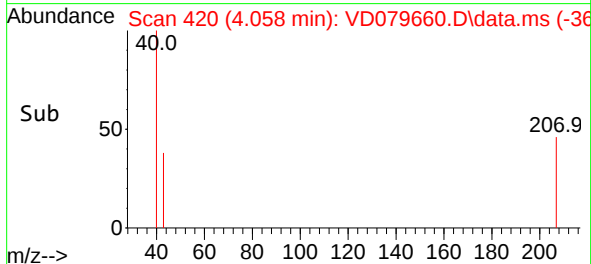
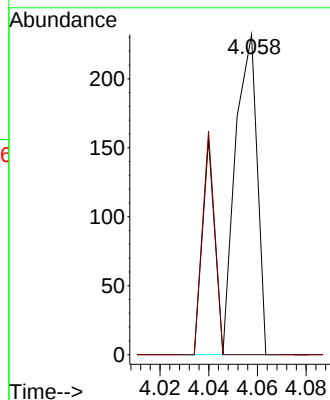


#16
Acetone
Concen: 1.275 ug/l
RT: 4.058 min Scan# 414
Delta R.T. 0.035 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

Instrument :
MSVOA_D
ClientSampleId :

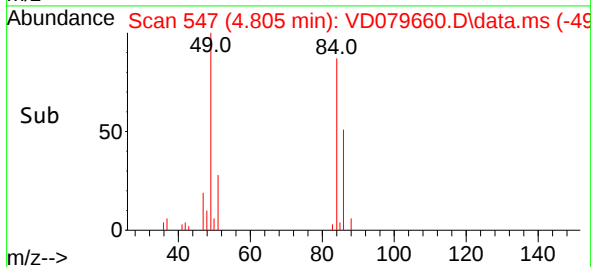
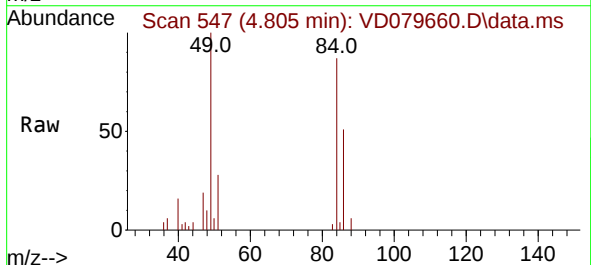
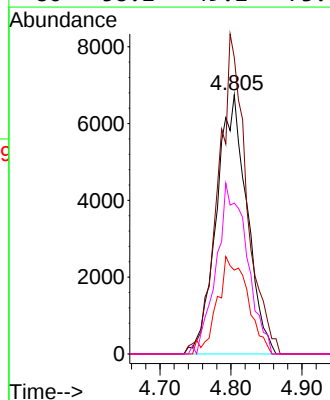


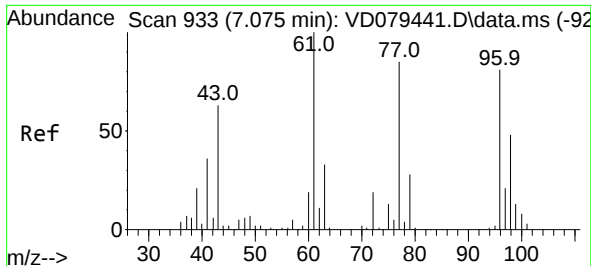
Tgt Ion: 43 Resp: 198
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#20
Methylene Chloride
Concen: 2.602 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

Tgt Ion: 84 Resp: 20176
Ion Ratio Lower Upper
84 100
49 114.3 75.6 113.4#
51 32.3 24.2 36.2
86 58.2 49.2 73.8

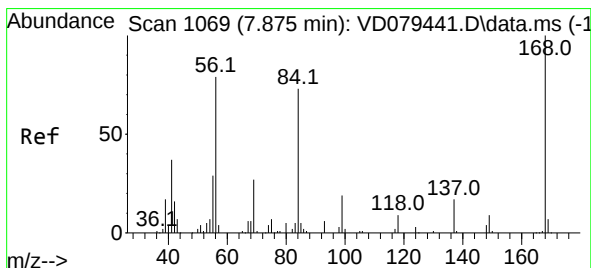
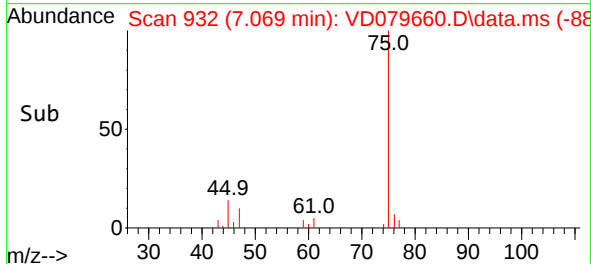
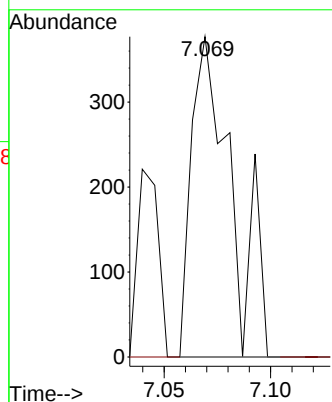
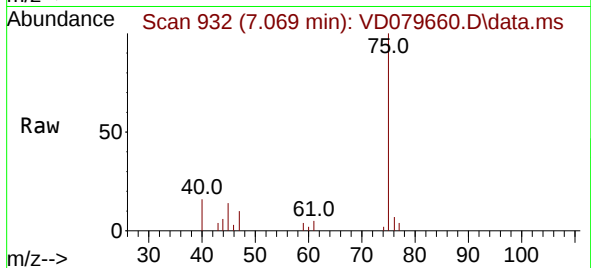




#25
2-Butanone
Concen: 2.261 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.024 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

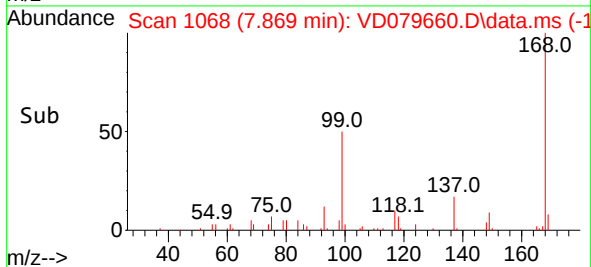
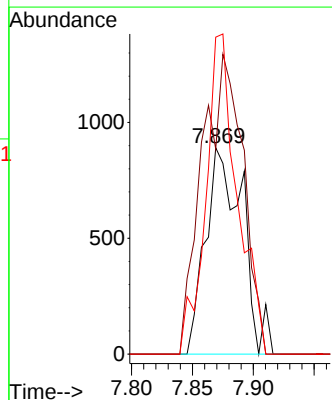
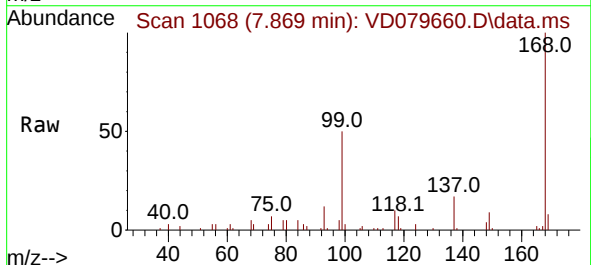
Instrument :
MSVOA_D
ClientSampleId :

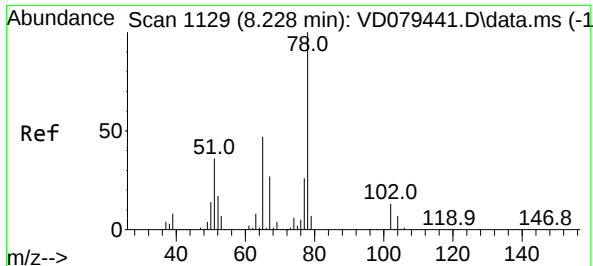
Tgt Ion: 43 Resp: 498
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#



#31
Cyclohexane
Concen: 1.419 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

Tgt Ion: 56 Resp: 1884
Ion Ratio Lower Upper
56 100
69 99.3 28.0 42.0#
84 153.5 87.4 131.0#

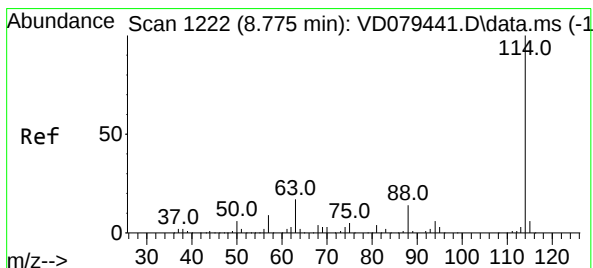
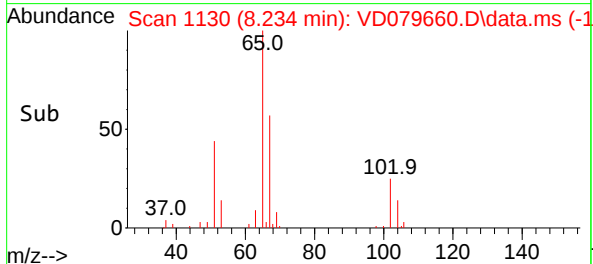
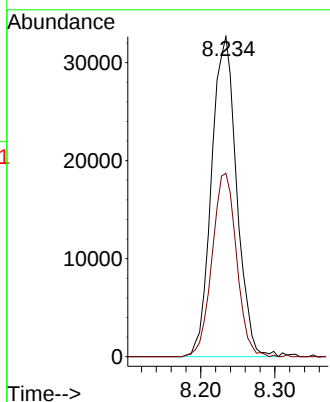
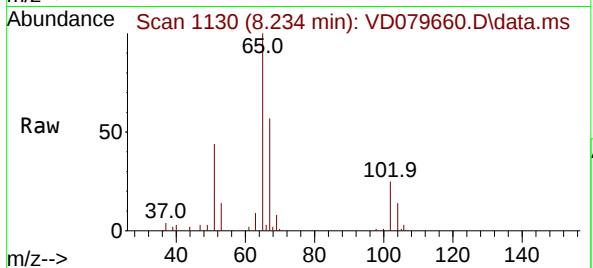




#33
 1,2-Dichloroethane-d4
 Concen: 96.219 ug/l
 RT: 8.234 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VD079660.D
 Acq: 08 Aug 2024 01:18

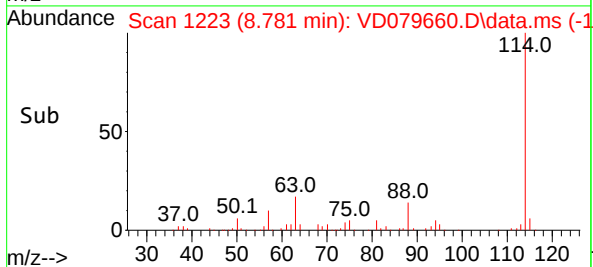
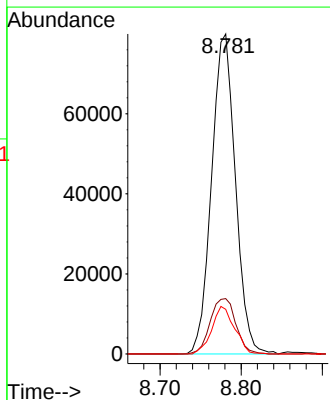
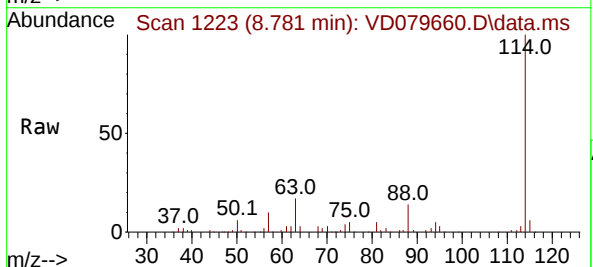
Instrument :
 MSVOA_D
 ClientSampleId :

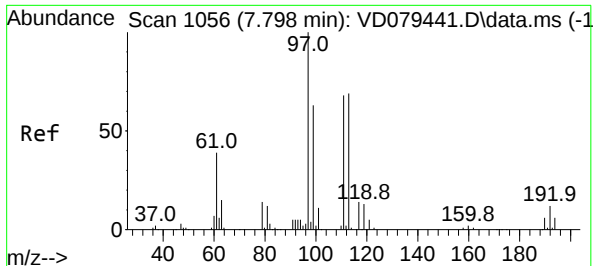
Tgt Ion: 65 Resp: 76903
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.006 min
 Lab File: VD079660.D
 Acq: 08 Aug 2024 01:18

Tgt Ion: 114 Resp: 163040
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 34.0
 88 13.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 61.204 ug/l

RT: 7.810 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VD079660.D

Acq: 08 Aug 2024 01:18

Instrument :

MSVOA_D

ClientSampleId :

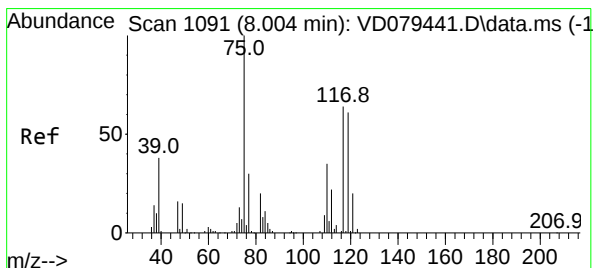
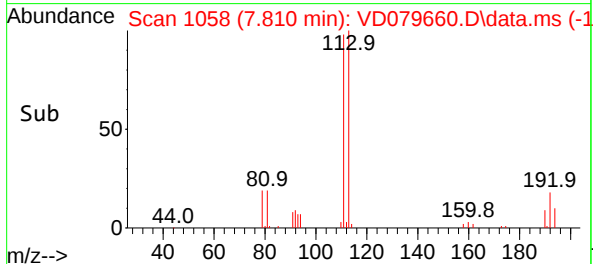
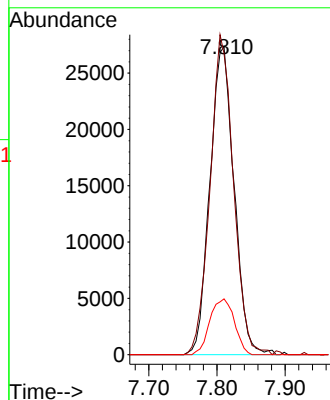
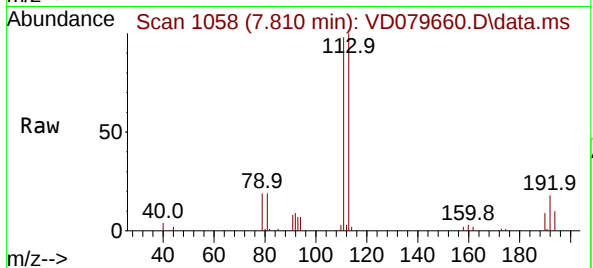
Tgt Ion:113 Resp: 67541

Ion Ratio Lower Upper

113 100

111 100.4 84.0 126.0

192 18.4 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.134 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD079660.D

Acq: 08 Aug 2024 01:18

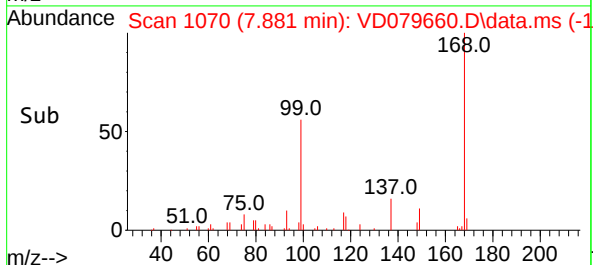
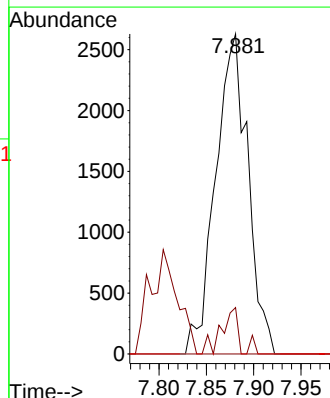
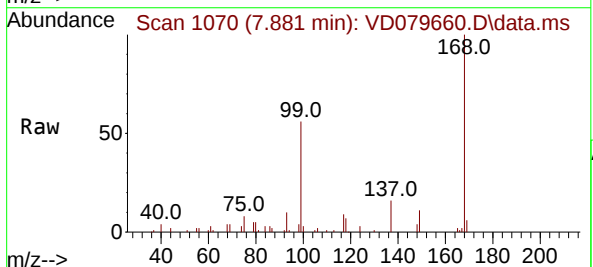
Tgt Ion: 75 Resp: 6226

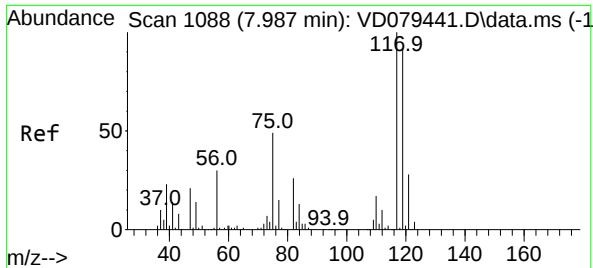
Ion Ratio Lower Upper

75 100

110 7.3 19.6 58.7#

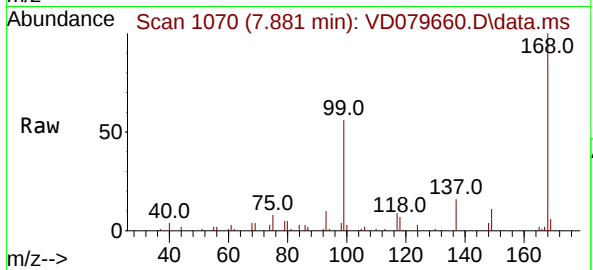
77 0.0 26.1 39.1#



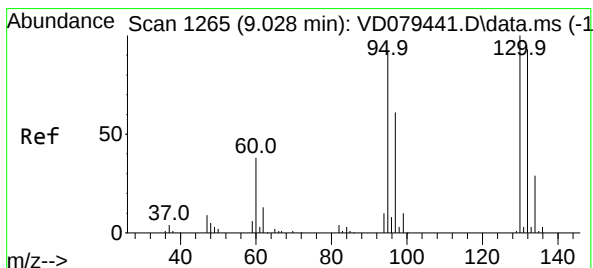
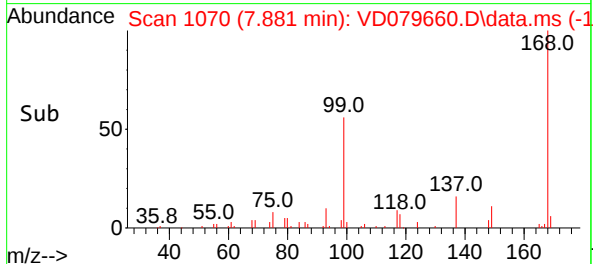
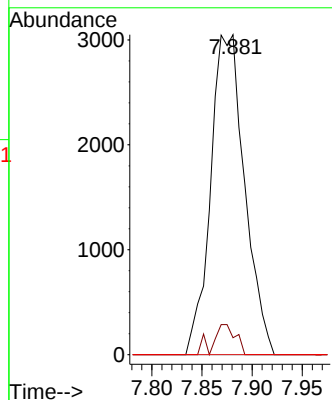


#38
Carbon Tetrachloride
Concen: 4.537 ug/l
RT: 7.881 min Scan# 1088
Delta R.T. -0.106 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

Instrument : MSVOA_D
ClientSampleId :

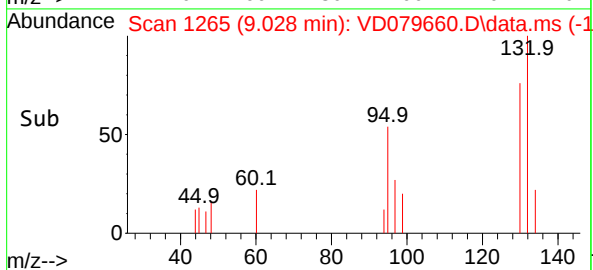
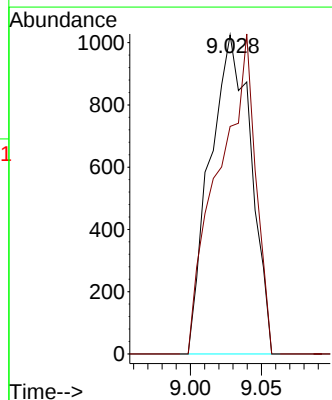
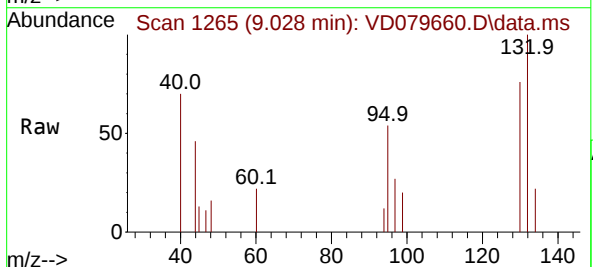


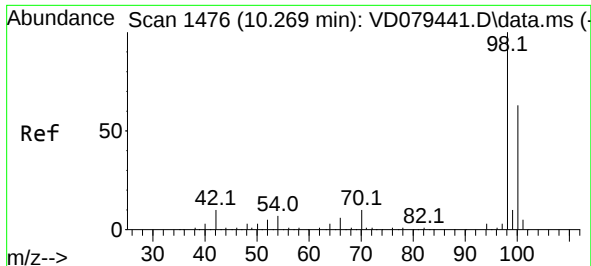
Tgt Ion:117 Resp: 7184
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.0#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 1.728 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

Tgt Ion:130 Resp: 2058
Ion Ratio Lower Upper
130 100
95 71.3 0.0 177.8

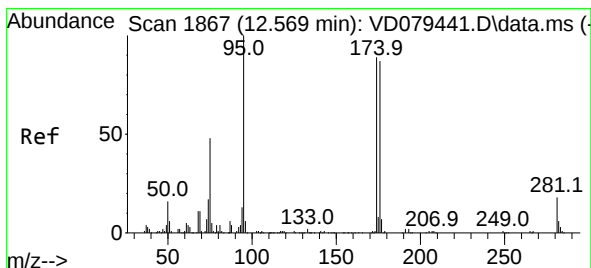
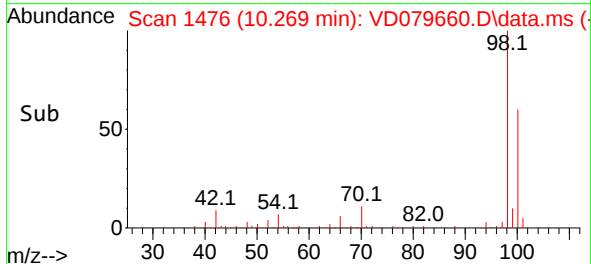
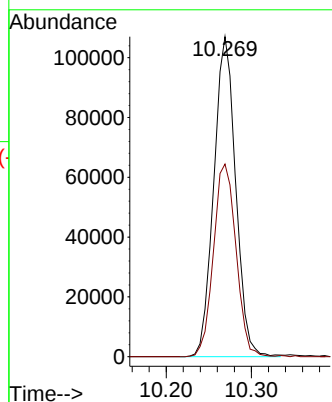
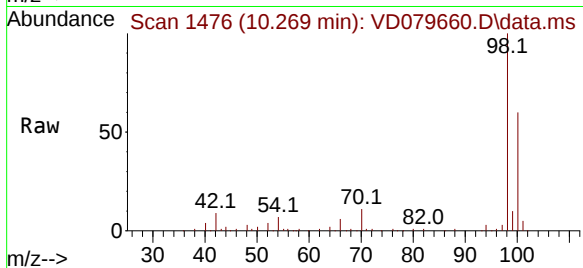




#50
Toluene-d8
Concen: 44.604 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

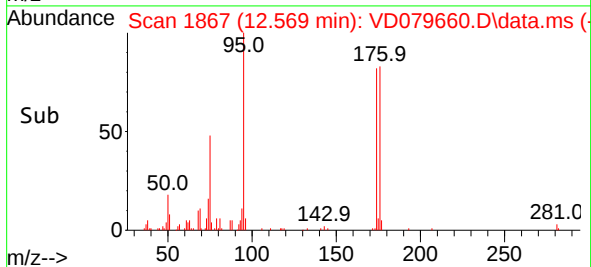
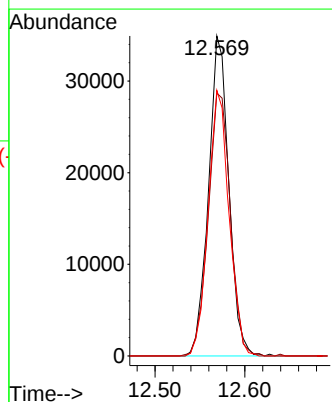
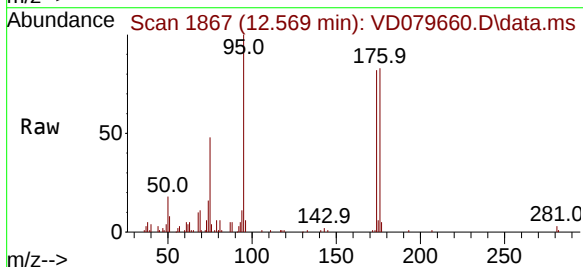
Instrument :
MSVOA_D
ClientSampleId :

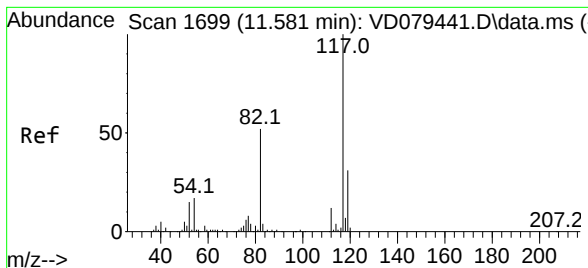
Tgt Ion: 98 Resp: 191145
Ion Ratio Lower Upper
98 100
100 62.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 44.158 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

Tgt Ion: 95 Resp: 54761
Ion Ratio Lower Upper
95 100
174 89.3 0.0 195.4
176 85.7 0.0 192.6

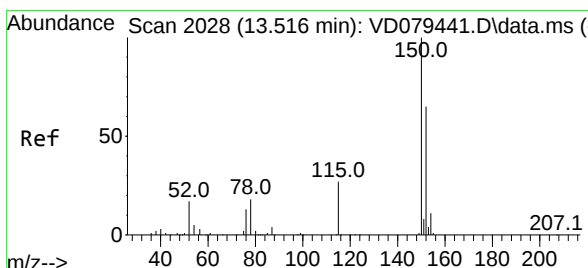
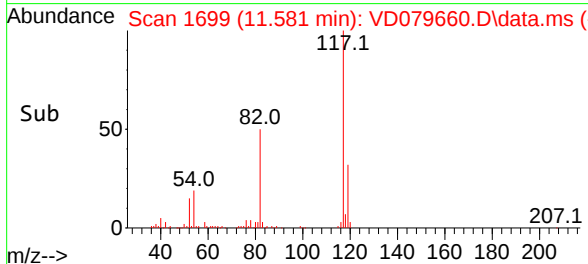
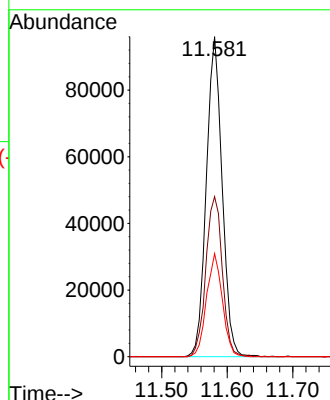
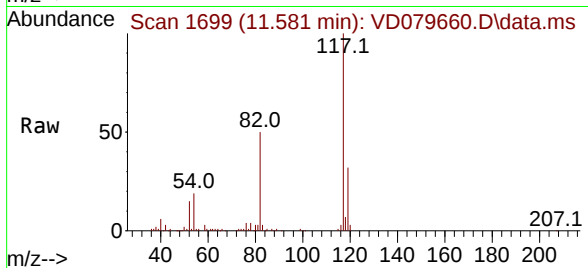




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

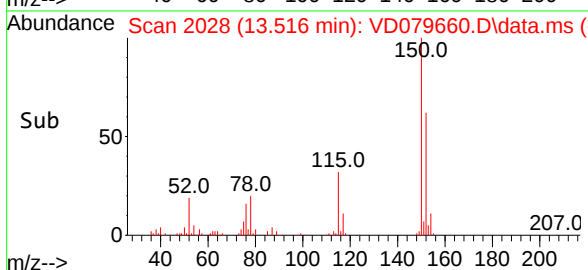
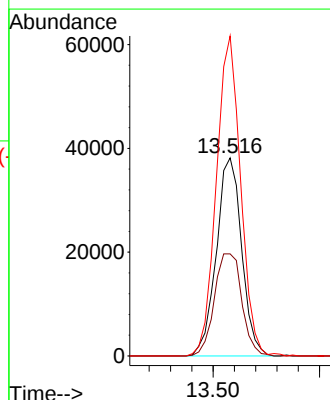
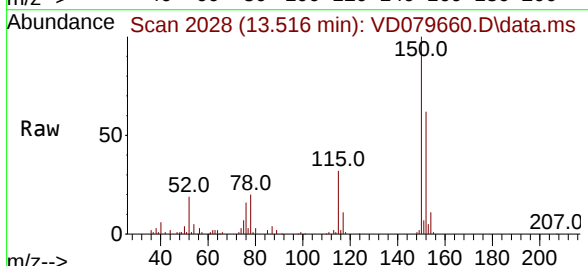
Instrument :
MSVOA_D
ClientSampleId :

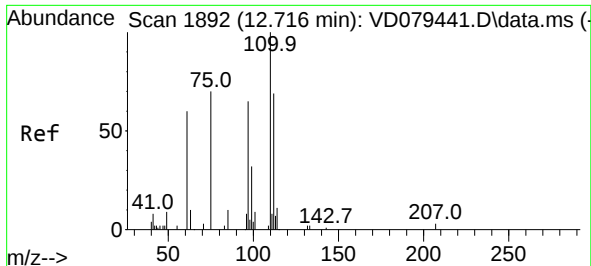
Tgt Ion:117 Resp: 161052
Ion Ratio Lower Upper
117 100
82 50.0 39.8 59.6
119 32.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

Tgt Ion:152 Resp: 62842
Ion Ratio Lower Upper
152 100
115 55.9 26.5 79.5
150 155.0 0.0 341.6

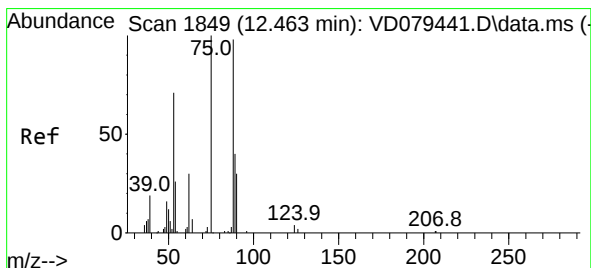
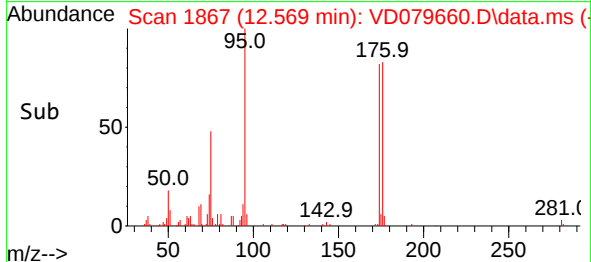
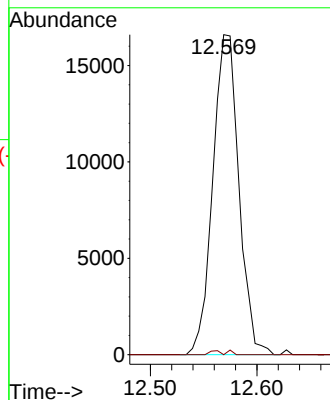
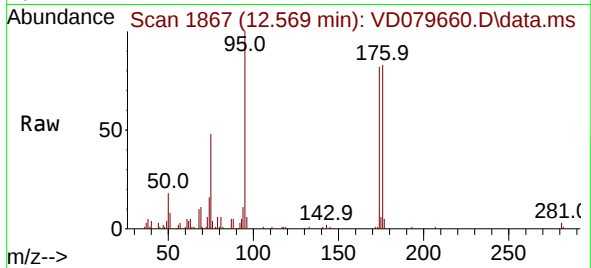




#76
1,2,3-Trichloropropane
Concen: 51.332 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

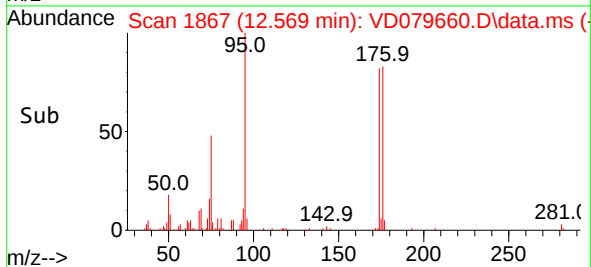
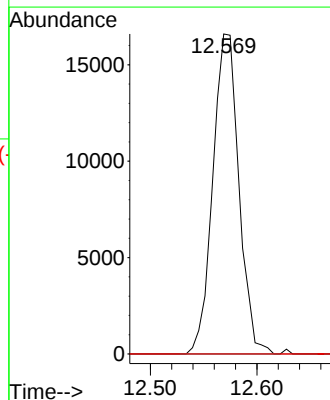
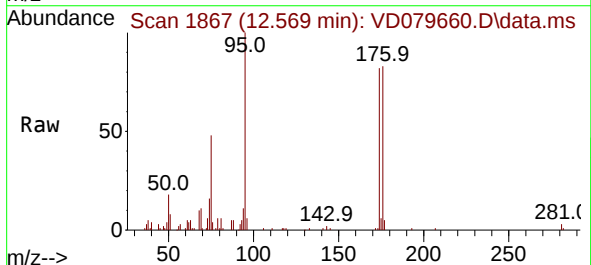
Instrument :
MSVOA_D
ClientSampleId :

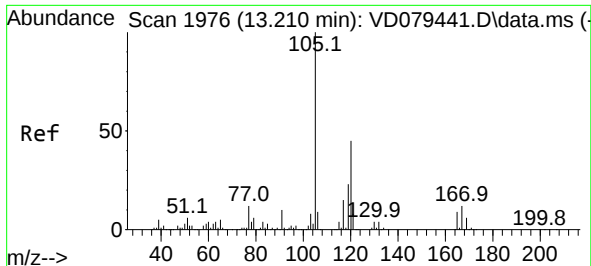
Tgt Ion: 75 Resp: 28197
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.905 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

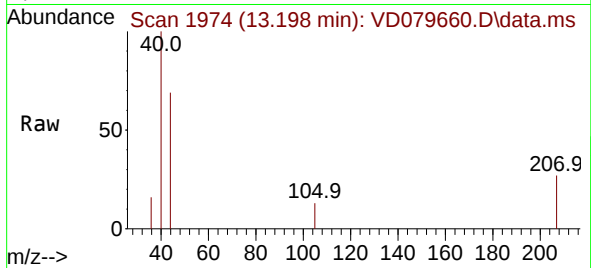
Tgt Ion: 75 Resp: 28197
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#



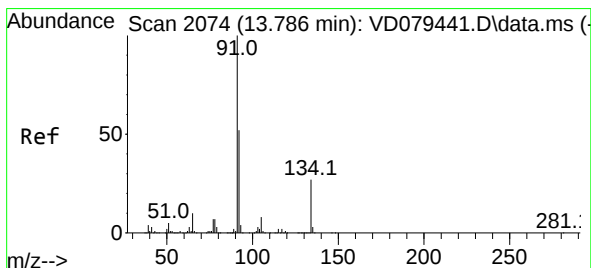
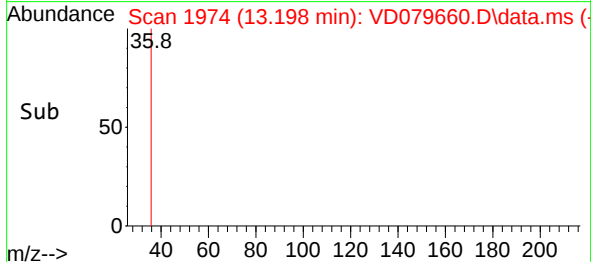
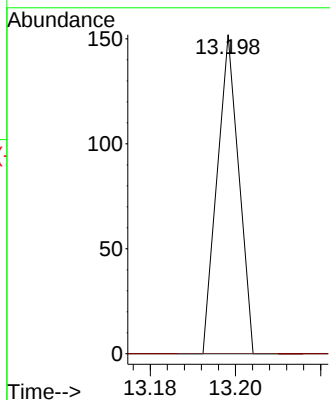


#84
1,2,4-Trimethylbenzene
Concen: 3.441 ug/l
RT: 13.198 min Scan# 1974
Delta R.T. -0.006 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:105 Resp: 54
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#



#89
n-Butylbenzene
Concen: 3.842 ug/l
RT: 13.781 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VD079660.D
Acq: 08 Aug 2024 01:18

Tgt Ion: 91 Resp: 265
Ion Ratio Lower Upper
91 100
92 25.3 25.7 77.0#
134 0.0 13.6 40.8#

